

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Jin Soo LEE, Kyoung Ro YOON and Jung Min SONG

EXPEDITED PROCEDURE
UNDER 37 C.F.R. § 1.116

Serial No.: 09/865,458

Group Art Unit: 2173

Filed: May 29, 2001

Examiner: Blaine T. BASOM

Confirmation No.: 3750

Customer No.: 34610



For APPARATUS AND METHOD FOR MAPPING OBJECT DATA FOR EFFICIENT MATCHING BETWEEN USER PREFERENCE INFORMATION AND CONTENT DESCRIPTION INFORMATION

U.S. Patent and Trademark Office
Customer Window, Mail Stop AF
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Dear Sir:

Transmitted herewith is an Amendment and/or Reply in the above identified application.

- ☐ No additional fee is required.
☒ Also attached: Substitute Specification (marked-up and clean copies)

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	5	21	0	x \$50.00 =	\$0.00
Independent Claims	3	11	0	x \$200.00 =	\$0.00
If multiple claims newly presented, add \$360.00					
Fee for extension of time					\$120.00
TOTAL FEE DUE					\$120.00

- ☐ Please charge my Deposit Account No. 16-0607 in the amount of \$. An additional copy of this transmittal sheet is submitted herewith.
- ☒ A check in the amount of \$ 120.00 (Check #15225) is attached.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 16-0607, including any filing fees under 37 C.F.R. 1.16 for presentation of extra claims and any patent application processing fees under 37 C.F.R. 1.17.

Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186
David A. Bilodeau
Registration No. 42,325

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 766-3701 DYK/DAB:lew
Date: June 6, 2005
Q:\Documents\2039-007\Document in ProLaw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Confirmation No.: 3750

Jin Soo LEE, Kyoung Ro YOON and Jung
Min SONG

Group Art Unit: 2173

Serial No.: 09/865,458

Examiner: Blaine T. BASOM

Filed: May 29, 2001

Customer No.: 34610

For: APPARATUS AND METHOD FOR MAPPING OBJECT DATA FOR
EFFICIENT MATCHING BETWEEN USER PREFERENCE INFORMATION
AND CONTENT DESCRIPTION INFORMATION

PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(1)

U.S. Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, Virginia 22314

Sir:

Applicant petitions the Commissioner of Patents and Trademarks to extend the time for response to the Final Office Action dated February 10, 2005 for one month.

A check including the amount of \$120.00 for the extension of time under 37 C.F.R. §1.17(a) is enclosed. Any deficiency or overpayment should be charged or credited to Deposit Account No. 16-0607.

Respectfully submitted,
FLESHNER & KIM, LLP

David Belodeau

Daniel Y.J. Kim
Registration No. 36,186
David A. Bilodeau
Registration No. 42,325

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 766-3701 DYK/DAB:lew
Date: June 6, 2005



FLESHNER & KIM, LLPGOVT. PTO.
2325 DULLES CORNER BOULEVARD
SUITE 1100
HERNDON, VA 20171
(703) 766-3701**BB&T**Branch Banking and Trust Company
65-330/550

15225

6/6/2005

PAY TO THE
ORDER OF Commissioner of Patents and Trademarks

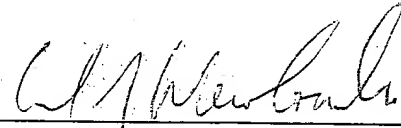
\$ 120.00

One Hundred Twenty & No/100 Dollars

DOLLARS

Commissioner of Patents and Trademarks

MEMO: 09/865,458 (LGE-0007; 2039-007) EOT



⑈015225⑈ ⑈055003308⑈5154346505⑈

FLESHNER & KIM, LLP

GOVT. PTO

BB&T Govt Fee - 5154346505

Commissioner of Patents and Trademarks

09/865,458 (LGE-0007; 2039-007) EOT

6/6/2005 15225

Account Description**Amount**

Hard Cost - Prepaid for Client

120.00



LEW

\$ 120.00

FLESHNER & KIM, LLP

GOVT. PTO

BB&T Govt Fee - 5154346505

Commissioner of Patents and Trademarks

09/865,458 (LGE-0007; 2039-007) EOT

6/6/2005 15225

2039-007

Account No.	Entry No.	Amount
18000.1	44545	120.00

BEST AVAILABLE COPY

LEW

\$ 120.00

Docket No.: LGE-0007

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

**EXPEDITED PROCEDURE
UNDER 37 C.F.R. §1.116**

Jin Soo LEE et al.

Serial No.: 09/865,458

Group Art Unit: 2173

Confirmation No.: 3750

Examiner: Blaine T. Basom

Filed: May 29, 2001

Customer No.: 34610

For: APPARATUS AND METHOD FOR MAPPING OBJECT DATA FOR
EFFICIENT MATCHING BETWEEN USER PREFERENCE INFORMATION
AND CONTENT DESCRIPTION INFORMATION

REPLY AND/OR AMENDMENT
UNDER 37 C.F.R. §1.116

U.S. Patent and Trademark Office
Customer Window, Mail Stop AF
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In response to the Office Action dated February 10, 2005, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Drawings begin on page 3 and reference attachments which include annotated sheets showing changes to the figures in red ink and replacements sheets incorporating the changes.

Amendments to the Claims are reflected in the listing of claims which begins on page 4 of this paper.

Remarks/Arguments begin on page 9 of this paper.

Serial No. 09/865,458
Reply to Office Action of February 10, 2005

Docket No. LGE-0007

Amendments to the Specification

Enclosed is a substitute specification, including a marked-up copy with the noted changes and a clean copy. No new matter has been added.

Serial No. 09/865,458
Reply to Office Action of February 10, 2005

Docket No. LGE-0007

Amendments to the Drawings:

Figures 1, 2, 4, 5A, 5B, 6A, 7A, 7B, 8 and 9 have been amended to correct minor informalities. Formal drawings are enclosed.

Attachment: Annotated Sheets Showing Changes
Replacement Sheets

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-9. (Canceled)

10. (Currently Amended) A method for mapping object data for matching user preference information and content description information, comprising:

~~providing, from a server to a client, a table including identifiers about various object data and information about various and expressions of for object data included in content description information of multimedia data provided from a server to a client by constructing an object data expression information table and in which each expression has a corresponding identifier and in which different expressions relating to the same object data are assigned the same identifier;~~

~~_____ comparing object data of the object data expression information table with object data of a preference information table in updating of preference information identifiers of the provided table with a stored preference information table including identifiers and~~

expression for object data in which each expression has a corresponding identifier and in which different expressions relating to the same object data are assigned the same identifier;
and

~~updating a preference information table of the client by comparing and compounding the provided table with a preference information table of a client if the~~
identifiers of the tables are different.

11-16. (Canceled).

17. (Currently Amended) A method for mapping object data for matching user preference information and content description information, comprising:

providing an object data expression information table from a content description information constructor to a preference information constructor when the preference information constructor and the content description information constructor do not own jointly an object data expression information table of the same content in comparing and updating of content information between the preference information constructor and the content description information constructor; and

updating a preference information table of the preference information constructor by using information of the provided object data expression information table

after comparing the preference information table and the provided object data expression information table,

wherein updating the preference information table comprises updating the preference information table by the preference information constructor by comparing the direct information or the table provided from the content description information constructor with the preference information table of the preference information constructor.

18. (Currently Amended) The method of claim 17, wherein the updating process the preference information table further comprises:

generating direct information including at least one of an actor's name, a director's name, or a producer's name, or a table including identifiers for expressing at least one object data of the same content and various expressions by the identifiers by the content description information constructor; and

providing the direct information or the table generated from the content description information constructor to the preference information constructor; and

~~updating the preference information table by the preference information constructor by comparing the direct information or the table provided from the content description information constructor with the preference information table of the preference information constructor.~~

19. (Previously Presented) The method of claim 17, wherein the updating process comprises:

generating a table including identifiers for expressing at least one object data of the same content and representative expressions by the identifiers by the content description information constructor;

providing the table generated by the content description information constructor to the preference information constructor; and

updating the preference information table by mapping an item of the preference information table same as the each identifier corresponded to a representative expression of the table provided from the content description information constructor by the preference information constructor.

20. (Currently Amended) A method for mapping object data for matching user preference information and content description information, comprising:

providing direct information stored in a content description information constructor to a preference information constructor as a lookup table format when the preference information constructor and the content description information constructor do not jointly own an object data expression information table of the same content in

comparing and updating of content information of the preference information constructor and the content description information constructor;

transforming the direct information of the lookup table into identifiers ~~in~~ by comparing of content information of the preference information constructor and the content description information constructor; and

updating a preference information table by the preference information constructor after comparing identifiers stored in the preference information table and the transformed identifiers,

wherein the preference information table includes the identifiers and expressions for object data in which each expression has a corresponding identifier and in which different expressions relating to the same object data are assigned the same identifier.

21. (Canceled).

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 10 and 17-20 are pending in the present application. Claims 1-9, 11-16 and 21 have been canceled and claims 10, 17, 18 and 20 have been amended by the present amendment.

In the outstanding Office Action, the specification was rejected under 35 U.S.C. § 112, first paragraph; and claims 1, 2, 4-14 and 16-21 were rejected under 35 U.S.C. § 103(a) as unpatentable over Sumita et al. in view of Cannon et al.

Regarding the rejection of the specification under 35 U.S.C. § 112, first paragraph, enclosed is a substitute specification including amendments to correct grammatical and idiomatic informalities. Enclosed is a marked-up copy and clean copy of the specification. It is believed no new matter has been added. Accordingly, it is respectfully requested this rejection be withdrawn.

Claims 1, 2, 4-14 and 16-21 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Sumita et al. in view of Cannon et al. This rejection is respectfully traversed.

The present invention currently included independent claims 10, 17 and 20. For example, amended independent claim 10 is directed to a method for mapping object data for matching user preference information and content description information including

providing, from a server to a client, a table including identifiers and expressions for object data included in content description information of multimedia data in which each expression has a corresponding identifier and in which different expressions relating to the same object data are assigned the same identifier, comparing identifiers of the provided table with a stored preference information table including identifiers and expression for object data in which each expression has a corresponding identifier and in which different expressions relating to the same object data are assigned the same identifier, and updating a preference information table of the client if the identifiers of the tables are different. These features are described in the specification beginning at page 15, line 17, for example. Further, as noted at page 17, lines 6-8, the identifiers of the tables are compared and the preference information table is updated, when the identifiers of the tables are different.

Further, as shown in the non-limiting example of Figure 5B, for example, each expression has a corresponding identifier and different expressions relating to the same object data are assigned the same identifier. In more detail, the expressions for Kevin Costner are identified by the identifier N₁ (note each expression still includes an identifier) and any expressions for Robert De Niro are identified with an identifier N₂. Thus, according to the present invention, the identifiers may be used to compare the two tables and quickly determine if an expression does not exist or a new expression needs to be added. This is

particularly advantageous in that it is easier to compare identifiers rather than having to compare larger expressions.

On the contrary, Cannon et al. merely teaches in Figure 5 a user inputting a descriptor such as "Christmas" in the descriptor 17 and then the table 21 is searched to see if the descriptor "Christmas" is in the file. If the descriptor "Christmas" is in the file (identified as item # 1 (25)), the different meanings of Christmas are then retrieved from the table 23 and displayed to the user. However, there is no description in Cannon et al. about comparing the tables and using the identifiers to update the information. Sumita et al. also does not teach or suggest these features.

Accordingly, it is respectfully submitted independent claims 10, 17 and 20 and each of the claims depending therefrom are allowable.

Further, the drawings have been amended to correct minor informalities.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **David A. Bilodeau**, at the telephone number listed below.

Serial No. 09/865,458
Reply to Office Action of February 10, 2005

Docket No. LGE-0007

To the extent necessary, a petition for an extension of time under 37 C.F.R. § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
FLESHNER & KIM, LLP



Carl R. Wesolowski, Esq.
Registration No. 40,372
David A. Bilodeau, Esq.
Registration No. 42,325

P.O. Box 221200
Chantilly, Virginia 20153-1200
703 766-3701 DYK/DAB:lev

Date: June 6, 2005

**Enclosures: Substitute Specification
(w/a marked up copy and a clean copy)**

Please direct all correspondence to Customer Number 34610